Pest Management Regulatory Agency
Agence de réglementation de la lutte antiparasitaire

Proposed Maximum Residue Limit

PMRL2007-02

Thiacloprid

(publié aussi en français)

26 April 2007

This document is published by the Alternative Strategies and Regulatory Affairs Division, Pest Management Regulatory Agency. For further information, please contact:

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ISBN: 978-0-662-44344-5 (978-0-662-45905-7)
Catalogue number: H113-24/2007-2E (H113-24/2007-2E-PDF)

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Health Canada's Pest Management Regulatory Agency (PMRA), under the authority of the *Pest Control Products Act* (PCPA), has granted full registration to technical grade thiacloprid and the end-use product Calypso 480 SC Insecticide for use in Canada to control certain insect pests on pome fruit (see Appendix I).

The evaluation of these thiacloprid applications indicated that the end-use product has merit and value and that the human health and environmental risks associated with its proposed uses are acceptable. Details on these registrations can be found in Proposed Registration Decision PRD2007-02, *Thiacloprid*.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to the label directions and that such residues will not pose an unacceptable health risk. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Currently, MRLs are legally established under the Food and Drug Regulations (FDR) after consultation through the *Canada Gazette*. Amendments to the *Food and Drugs Act* (FDA), via Bill C-28, anticipated to come into force in 2007, will allow pesticide MRLs to be legally established under the PCPA without their having to be adopted by regulation under the FDA, thereby resulting in a more efficient means of establishing, revising and revoking pesticide MRLs.

Consultation on the proposed MRLs for thiacloprid has already been conducted through PRD2007-02 (specific information regarding the proposed MRLs can be found in Section 3.5.4 with supplemental information addressing the international situation and trade implications in Appendix II). A corresponding final Registration Decision document for thiacloprid is in preparation and will be released shortly.

The proposed MRLs for thiacloprid in Canada in or on food are as follows.

Table 1 Proposed Maximum Residue Limits for Thiacloprid

Common Chemical Name	Chemical Name of Substance	MRL (ppm)	Foods
Thiacloprid	(*Z*)-[3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene]cyanamide, including metabolites retaining the thiazolidine ring intact	0.3	Apples, crabapples, loquats, mayhaws, oriental pears, pears, quinces
		0.15	Liver of cattle, goats, horses and sheep
		0.05	Kidney and meat byproducts (except kidney and liver) of cattle, goats, horses and sheep
		0.03	Meat of cattle, goats, horses and sheep; milk
		0.02	Fat of cattle, goats, horses and sheep

A complete list of all MRLs established in Canada can be found in Table II, Division 15 of the FDR. Once the amendments to the FDA via Bill C-28 are in force, the list of legally established Canadian MRLs will be available on the PMRA's MRL webpage, which will be updated to include the MRLs listed in this document.

International Situation and Trade Implications

The proposed MRLs in Canada are the same as tolerances established in the United States as listed in 40 CFR 180 (searchable by pesticide). Currently, there are no Codex[1] MRLs for thiacloprid (Codex MRLs by pesticide or commodity).

[1] Codex is an international organization under the auspices of the United Nations, which develops international food standards, including MRLs.

Appendix I Crop Groups: Numbers and Definitions

Crop Group Number	Name of the Crop Group	Food Commodities Included in the Crop Group
11	Pome Fruit	Apples Crabapples Loquats Mayhaws Pears Oriental pears Quinces